AMERICAN UNIVERSITY of Beirut. OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

LIBRARY
MAY 25 1959
WEATHER BUREAU

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

November 1958

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NOVEMBER 1958

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20·30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	61.3	58.6	59.0	59.3	27.7	20.5	24.4	27.0	26.7	26.0
2	61.1	60.4	60.6	60.7	26.5	16.0	23.7	23.5	21.1	22.8
3	61.2	60.3	60.2	60.6	21.9	18·4	18.8	20.9	19.3	19.7
4	60.8	60.3	61.4	60.8	23.2	19.0	20.4	22.3	21.5	21.4
5	63.3	62.6	63.3	63.1	23.7	19.0	21.3	23.4	20 6	21.8
6	64.7	63.5	64.2	64.1	23.3	18.4	20.7	22.6	20.5	21.3
7	64.6	62.9	62.8	63.4	22.4	17.9	20.6	21.7	19.8	20.7
8	62.9	61.0	61.1	61.7	22.6	19.8	20.2	22.2	21.5	21.3
9	61.1	59.8	59.5	60.1	24 6	21.7	22.0	24.5	24.5	23.7
10	58.5	58.3	59.1	58.6	26.9	20.5	26.8	25.3	23.0	25.0
11	61.4	61.1	61.5	61.3	23.8	19.2	22.2	21.6	20.5	21.4
12	61.6	60.5	60.1	60.7	23.2	20.1	21.0	22.3	21.0	21.4
13	61.0	60.9	62.4	61.4	23.3	16.9	22.0	22.4	17.5	20.6
14	64.4	63.5	63.8	63.9	22.1	18.5	19.7	21.5	21.0	20.7
15	64.9	64.1	64.7	64.6	22.5	18.9	20.7	22.0	20.3	21.0
16	65.5	64.2	64.7	64.8	22.6	18.7	20.5	22.3	21.1	21.3
17	64.8	63.4	63.8	64.0	22.4	18.6	20.1	21.7	20.4	20.7
18	64.5	63.0	63.6	63.7	22.3	18.7	20.2	22.6	20.6	21.1
19	64.2	63.8	65.4	64.5	23.0	17.6	20.8	22.2	21.5	21.5
20	67.0	66.3	67.3	66.9	22.2	16.1	19.6	20.9	19.8	20.1
21	68.1	66.6	68.3	67.7	20.4	15.5	18.2	20.2	17.1	18.5
22	69.2	69.5	68.3	69.0	20.2	14.5	17.0	19.7	16.4	17.7
23	67.6	65.6	65.9	66.4	19.4	14.1	16.4	18.4	15.5	16.8
24	65.4	64.1	64.9	64.8	17.6	12.5	15.8	17.0	16.0	16.3
25	65.8	65.1	65.2	65.4	18.7	13.0	15.0	18.0	15.3	16.1
26	65.8	64.2	64.1	64.7	18.8	14.7	15.2	17.4	15.5	16.0
27	63.4	62.8	63.2	63.2	19.0	15.4	16.9	18.2	17.1	17.4
28	63.4	62.2	62.3	62.6	19.5	15.4	17.0	18.2	17.0	17.3
29	61.5	60.7	61.3	61.2	19.5	14.5	16.5	18.2	16.4	17.0
30	61.1	60.4	61.4	61.0	19.0	14.0	16.1	18.0	15.0	16.4
31										
	63.67	62.66	63.11	63.14	22.11	17.27	19.66	21.21	19.45	20.10

Barometer, range for month 769.5mm. — 758.3 mm.
„ 71-yr. average for month 762.63mm.
Thermometer, range for month 27.7°C — 12.5°C
„ 82-yr. average for month 19.5°C
Rain total for month 22.39 mm.
„ 82-yr average for month 133.4 mm.
„ Total, Sept. 1st. to end of month 84.59 mm.
„ 82-yr average. Sept. 1st. to end of month 187.27 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	11.9	11.1	9.5	10 8	39	30	28	32	1.0	225	
2	18.5	16.8	17.9	17.7	64	57	72	64	2.8	249	1.92
3	16.6	17.7	15.6	16.6	77	72	70	73	0.2	153	12.72
4	15.5	19.1	19.0	17.9	64	71	73	69	6.2	23	
5	17.0	19.8	18.2	18.3	67	69	75	70	7.0	42	
6	16.6	18.6	18.7	18.0	69	69	77	72	3.8	37	
7	17.7	17.8	19.4	18.3	73	70	83	75	9.5	32	
8	16.8	17.6	18.3	17.6	71	66	71	69	9.4	92	
9	16.2	18.7	10.9	15.3	62	62	38	54	8.9	34	
10	15.3	19.8	19.8	18.3	43	62	71	59	8.1	103	
11	16.8	18.1	17.8	17.6	63	71	74	69	7.2	185	
12	17.8	18.2	19.2	18.4	72	68	76	72	2.3	21	
13	19.2	13.9	17.2	16.8	72	66	86	75	7.8	45	7.75
14	17.0	17.2	18.3	17.5	75	67	73	72	9.2	95	
15	17.8	17.8	18.2	17.9	75	68	76	73	8.0	98	
16	18.5	18.6	18.4	18.5	76	70	73	73	9.0	137	
17	11.3	16.6	17.5	15.1	64	64	73	67	9.0	53	
18	14.4	20.0	18.2	17.5	60	73	75	69	7.2	21	
19	17.1	16.4	12.0	15.2	70	62	48	60	8.5	164	
20	12.2	14.5	15.2	14.0	54	59	66	60	8.8	198	
21	12.2	8.8	2.7	7.9	58	37	14	36	8.8	195	
22	7.5	10.9	2.6	7.0	38	48	14	33	8.8	134	
23	9.0	12.1	10.6	10.6	48	57	60	55	8.7	106	
24	9.9	7.4	6.3	7.9	55	37	34	42	8.7	225	
25	7.0	9.2	8.6	8.3	41	44	49	45	8.8	64	
26	6.3	11.4	10.3	9.3	35	56	58	50	7.9	55	
27	7.9	10.8	9.7	9.5	40	51	49	47	0.0	19	
28	10.3	9.0	10.3	9.9	53	42	53	49	7.3	43	
29	9.5	12.9	11.5	11.3	50	62	61	58	0.0	34	
30	11.9	13.6	11.6	12.4	60	67	69	65	4.3	87	
31											
	13.86	15.16	14.12	14.38	59.6	59.9	61.3	60.2	6.57	98.97	0.75

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10st	10st	9st	9.7	2sw	2e	4sw	light	
2	8st	4st	10st	7.3	4s	2s	1s	,,	Tr.p.m
3	10st	10st	0	6.7	2ne	2n	1se	,,	
4	5ci	6ci-cu	0	3.7	1s	1n	1ne	,,	Tr.a.m
5	9ci	6ci-st	0	5.0	1ne	1ne	1ne	,,	H.a.m.p m
6	4ci	10st	0	4.7	1se	1w	1ne	light	
7	1cu	0	0	0.3	1sw	1n	1e	,,	
8	0	0	0	0.0	2ne	3ne	1ne	,,	D.a.m
9	3ci	4cu	2cu-st	3.0	1w	1s	2se	calm	H.Dew.a.m.Good -
10	8cu-ci	9cu-st	0	5.7	1s	2ne	2sw	light	Visibility p.m.
11	3cu-st	9st-cu	2cu-st	4.7	2sw	3sw	1sw	light	
12	10ci-st	10ci-st	4cu-st	8.0	1s	1ne	1nw	,,	
13	8cu-ni	6cu-st-ci	1cu	5.0	1sw	1nw	1nw	,,	Rain bow.at,8:30a.m
14	1ci	4ci	0	1.7	1n	2ne	2n	,,	
15	7ci	0	0	2.3	1ne	2ne	1n	,,	D.a.m
16	1ci	0	0	0.3	1sw	3sw	2s	slight	D.a.m
17	1ci	5ci	2ci	2.7	1sw	1ne	1w	light	D.a.m
18	9ci-st	6ci	2ci	5.7	1sw	2ne	1s	,,	D.a.m
19	0	4ci	0	1.3	2ne	2ne	5ne	,,	D.a.m
20	0	0	0	0.0	2sw	3ne	4ne	,,	
21	0	0	0	0.0	2n	2w	1s	light	
22	2ci	0	0	0.7	2e	2w	1s	,,	
23	0	0	0	0.0	1se	1nw	1s	,,	
24	0	0	0	0.0	2e	2ne	3n	,,	
25	0	0	0	0.0	2sw	2sw	2se	,,	
26	0	6ci	10ci-st	5.3	1sw	1ne	1e	light	Lunar Halo
27	10st	10st	10st	10.0	1sw	2sw	1e	,,	
28	10ci	10ci	10ci	10.0	1se	2n	1ne	,,	
29	10st	10st	1cu	7.0	1sw	1n	1sw	,,	
30	4ci	10st-cu	0	4.7	1ne	2ne	1n	,,	
31									
	mean			3.85					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	6	2	3	4	12	1	0	0	30
14:30	5	13	1	0	2	4	3	2	0	30
20:30	4	7	3	3	6	4	1	2	0	30
Total	11	26	6	6	12	20	5	4	0	90

Number of days with rain 3, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 9.4
Time of reading minus 2 hours equals G.C.T